

Appln. No. 10/523,920
Amd. dated September 9, 2010
Reply to Office Action of January 27, 2010
and Advisory Action of April 29, 2010

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning on page 29 at line 21 and ending on page 30 at line 17 with the following amended paragraph:

An aqueous substrate solution ~~containing 5% of~~ L-ascorbic acid, 21% of ~~"PINEDEX #1"~~ "PINEDEX #100", a partial starch hydrolyzate commercialized by Matsutani Chemical Industry Co., Ltd., of Osaka, Japan, and 1 mM calcium chloride was adjusted to pH 5.0. To the substrate solution, 10 units/ g-partial starch hydrolyzate of the purified α -isomaltosyl glucosaccharide-forming enzyme prepared by the method of Experiment 2 and 1 to 100 units/ g-partial starch hydrolyzate of CGTase were added, and followed the enzyme reaction at 50°C for 24 hours. After the completion of the reaction, each reaction mixture was boiled at 100°C for 10 min to inactivate enzyme, cooled to 40°C, admixed with 40 units/ g-partial starch hydrolyzate of glucoamylase commercialized by Seikagaku Corporation, Tokyo, Japan, and followed the enzyme reaction at 40°C for 16 hours. The contents, d.s.b., of AA-2G, AA-5G, and AA-6G of each reaction mixture were determined by HPLC described in Experiment 5. Except for using α -isomaltosyl glucosaccharide-forming enzyme alone or CGTase alone as control tests, the same transferring reaction was carried out and analyzed with the same manner. The results are in Table 5.